



- Economical And Easy To Install
- Expands Up To 150%
- Resists Gasoline And Engine Chemicals
- EMI, RFI Protection
- Superior Static Dissipation
- Cut And Abrasion Resistant
- Custom Lengths Available



Cut Cleanly  
Hot Knife

Material  
**Carbonized Nylon**

Grade  
**CNN**

Monofilament Diameter  
**.011"**

Drawing Number  
**TF001CNN-WD**

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/100'
		Min	Max				
1/8"	CNN0.13BK	3/32"	1/4"	1,000'	225'	Black	0.35
1/4"	CNN0.25BK	1/8"	7/16"	1,000'	200'	Black	0.40
3/8"	CNN0.38BK	3/16"	5/8"	500'	125'	Black	0.60
1/2"	CNN0.50BK	1/4"	3/4"	500'	100'	Black	0.82
5/8"	CNN0.63BK	3/8"	1"	500'	100'	Black	0.96
3/4"	CNN0.75BK	1/2"	1 1/4"	250'	75'	Black	1.24
1"	CNN1.00BK	5/8"	1 5/8"	250'	65'	Black	1.37
1 1/4"	CNN1.25BK	3/4"	1 3/4"	250'	50'	Black	1.65
1 1/2"	CNN1.50BK	1"	2 1/2"	200'	40'	Black	2.20

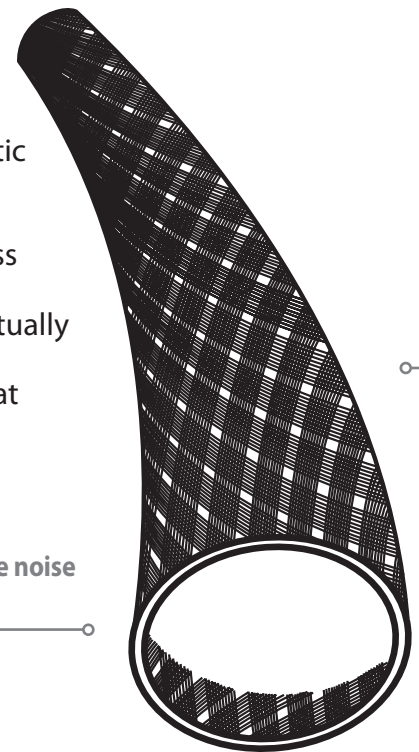
### Conductive Carbon Infused Nylon For Static Protection And Shielding

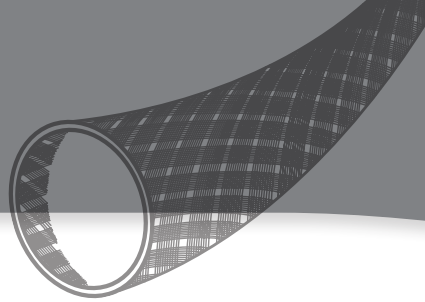
CN is braided from 11 mil carbonized nylon monofilament yarn. CN is designed to protect sensitive wiring from abrasion while shielding it from high frequency noise. Many successful applications have utilized CN for maintaining clean video signals, interference filtering in pro sound environments, and RF filtering on power cables and outputs. CN is also useful in static sensitive environments.

CN utilizes a patented carbonization process which infuses our braided sleeving with a microscopic carbon compound that is virtually indistinguishable from the base material. The result is a strong, long lasting jacket that is ready for the most sensitive applications.

Clean signals are achieved without excessive noise with properly isolated cables and wires.

Colors Available:  
Black (BK)





## ABRASION

**Abrasion Resistance**  
**Medium**

**Abrasion Test Machine**  
**Taber 5150**

**Abrasion Test Wheel**  
**Calibrase H-18**

**Abrasion Test Load**  
**500g**

**Room Temperature**  
**73°F**

**Humidity**  
**51%**

**Material Destroyed**  
**800 Test Cycles**

**Pre-Test Weight**  
**8,822.3 mg**

**Post-Test Weight**  
**8,662.5 mg**

**Test End Loss Of Mass**  
**Point Of Destruction**  
**159.8 mg**

## CHEMICAL RESISTANCE

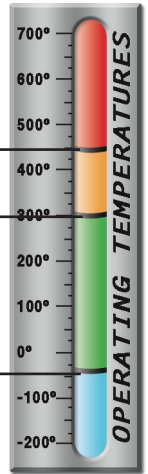
1=No Effect      4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

Aromatic Solvents _____	1
Aliphatic Solvents _____	1
Chlorinated Solvents _____	1
Weak Bases _____	1
Salts _____	1
Strong Bases _____	2
Salt Water 0-S-1926 _____	1
Hydraulic Fluid MIL-H-5606 _____	1
Lube Oil MIL-L-7808 _____	1
De-Icing Fluid MIL-A-8243 _____	1
Strong Acids _____	4
Strong Oxidants _____	4
Esters/Ketones _____	1
UV Light _____	2
Petroleum _____	3
Fungus ASTM G-21 _____	2
Halogen Free _____	Yes
RoHS _____	Yes
SVHC _____	None

**Melt Point**  
*ASTM D-2117*  
**482°F (250°C)**

**Maximum Continuous**  
*Mil-I-23053*  
**302°F (150°C)**

**Minimum Continuous**  
**-49°F (-45°C)**



## PHYSICAL PROPERTIES

Monofilament Diameter _____	.011"
<i>ASTM D-204</i>	
Recommended Cutting _____	Hot Knife
Colors _____	1
Wall Thickness _____	.028"
Tensile Strength (Yarn) _____	
<i>ASTM D-2256 Lbs</i>	
Abrasion _____	Med
Specific Gravity ASTM D-792 _____	1.13
Moisture Absorption _____	2.5
<i>% ASTM D-570</i>	
Hard Vacuum Data _____	
<i>ASTM E-595 at 10-5 torr</i>	
TML _____	.19
CVCM _____	.04
WVR _____	.06

www.techflex.com